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Chemical Thermodynamics. By V. Pietrary.

This study of synthesis is based on a method using modern research findings. Its aim is to develop intuitive thermodynamic principles which are perfectly clear, without abandoning the strict mathematical proofs.

In the course of a new method of explanation of the thermodynamic theories and phenomena it is shown that the difficulty in the development of thermodynamic principles is found in the duality of physical and chemical transformations.

The mathematicalm proofs should be complemented by physical principles.

From the definition of the first law of thermodynamics, and the principles of thermodynamics, the author goes to the second law of entropy and the principles connected with it.

Fundamental relationships are determined and illustrated by examples from organic and inorganic chemistry.

The Practical applications , giving the most favorable conditions for reactions, are included.